

## INTERNATIONAL SEARCH REPORT

 International application No.  
 PCT/KR2005/000786
**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H01L 23/50**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H01L 23/50 H05K 1/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean patents and applications for invention since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS "vehicle" "control" "harness" "cable" "board"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 2002-009545 A (TYCO ELECTRONICS AMP KOREA LTD.) 01. FEB. 2002. See the whole document.	1-6
Y	US 5040097 A (Stribel GmbH) 13. AUG. 1991. See the whole document.	1-6
Y	US 5581130 A (Value Electronique) 03. DEC. 1996. See the whole document.	1-6
Y	JP 08-056063 A (KANSEI CORP.) 27. FEB. 1996. See the whole document.	1-6

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

12 JULY 2005 (12.07.2005)

Date of mailing of the international search report

**12 JULY 2005 (12.07.2005)**

Name and mailing address of the ISA/KR


 Korean Intellectual Property Office  
 920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
 Republic of Korea

facsimile No. 82-42-472-7140

Authorized officer

YOU, Hwan Cheol

Telephone No. 82-42-481-5743



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2005/000786

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2002-009545 A	01.02. 2002.	NONE	
US 5040097 A	13.08.1991.	AT 46420 E BR 8505339 A DE 3439410 A1 EP 181534 A1 ES 8701629 A1 IE 57241 B JP 3073505 B4 JP 61160335 A2 PT 81363 A	15.09.1989 05.08.1986 30.04.1986 21.05.1986 01.03.1987 17.06.1992 22.11.1991 21.07.1986 01.11.1985
US 5581130 A	03. 12. 1996.	EP 00567403 A1 FR 2690601 A1 JP 6107088 A2	27.10.1993 29.10.1993 19.04.1994
JP 08-056063 A	27. 02. 1996.	NONE	